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indefinite for its temperature recitation. Applicants submit that the instant amendment to claim 8, wherein the temperature is designated as T_m and the heating temperature is designated as $0.5T_m$ to $0.7T_m$ clarifies this ambiguity. Support for the new recitation is found on page 12, lines 9-11.

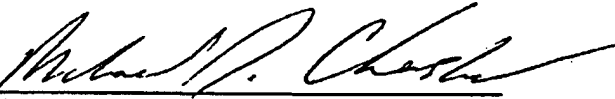
Claim 10 is considered vague for its "inverse relationship" phraseology. Claim 10 is hereby canceled.

Claim 25 is added to specifically recite 50-60 percent heating temperatures vis the melting temperature. Support for this claim is found on page 14, lines 15-19.

The Applicant understands that this amendment renders the instant application patentable over the art of record, but that the Examiner reserves the right to conduct an additional search.

An earnest attempt has been made hereby to respond to the §103 and §112 rejections contained in the January 30, 2003 Official Action. Applicant submits that the instant amendment places the application in condition for allowance. If the Examiner feels that a telephonic interview will expedite allowance in this matter, he is respectfully urged to contact the undersigned. Reconsideration and allowance of claims 7-13, and newly added claim 25 is respectfully solicited.

Respectfully submitted,
CHERSKOV & FLAYNIK

By 
Michael J. Cherskov (33,664)

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7. (Twice Amended) A method for producing a construct by seamlessly joining solid objects made up of certain sized particles, the method comprising:
- a) supplying a joint compound having particle sizes smaller than the certain sized particles wherein the joint compound contains metal;
 - b) applying the joining compound to opposing surfaces of the objects to be joined together;
 - c) heating the joint to a heating temperature below the melting point of a lowest melting point constituent of the objects and the joint compound [construct]; and
 - d) applying pressure to the objects so as to direct the opposing surfaces toward each other, whereby the joint compound is intermediate the opposing surfaces.

8. (Twice Amended) The method as recited in claim 7 wherein [the heating temperature T is 0.5 to 0.7] the melting temperature of the lowest melting point constituent of the construct is T_m and the heating temperature is 0.5 T_m to 0.7 T_m .

Please add claim 25 as follows:

25. (New) The method as recited in claim 7 wherein the construct is heated to approximately 50-60 percent of the melting temperature of the lowest melting temperature constituent.

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C1 7. A method for producing a construct by seamlessly joining solid objects made up of certain sized particles, the method comprising:

- a) supplying a joint compound having particle sizes smaller than the certain sized particles, wherein the joint compound contains metal;
- b) applying the joining compound to opposing surfaces of the objects to be joined together;
- c) heating the joint to a heating temperature below the melting point of a lowest melting point constituent of the objects and the joint compound; and
- d) applying pressure to the objects so as to direct the opposing surfaces toward each other, whereby the joint compound is intermediate the opposing surfaces.

8. The method as recited in claim 7 wherein the melting temperature of the lowest melting point constituent of the construct is T_m and the heating temperature is $0.5T_m$ to $0.7 T_m$.

Please add claim 25 as follows:

C2 25. The method as recited in claim 7 wherein the construct is heated to approximately 50-60 percent of the melting temperature of the lowest melting temperature constituent.